TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 22	STN Patent Forums to be held July 19-22, 2004
NEWS 8	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 10	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:57:19 ON 14 JUL 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:57:28 ON 14 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JUL 2004 HIGHEST RN 709042-93-3
DICTIONARY FILE UPDATES: 13 JUL 2004 HIGHEST RN 709042-93-3

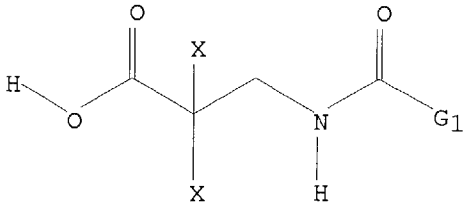
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

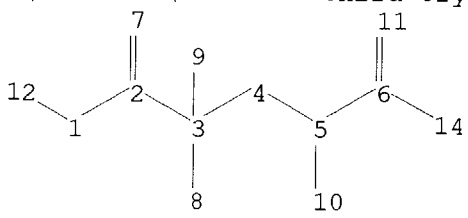
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Examination Auxillary files\09995987\09995987 third try.str





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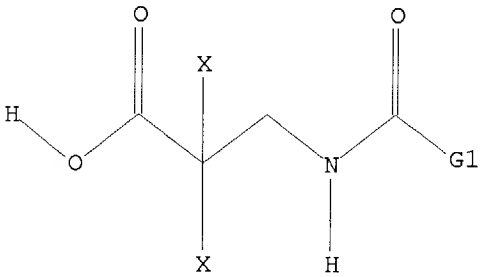
chain bonds :
1-2 1-12 2-3 2-7 3-4 3-8 3-9 4-5 5-6 5-10 6-11 6-14
exact/norm bonds :
4-5 5-6 6-11 6-14
exact bonds :
1-12 2-3 3-4 3-8 3-9 5-10
normalized bonds :
1-2 2-7

G1:C,O,S,N

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 11:57:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 21 TO ITERATE

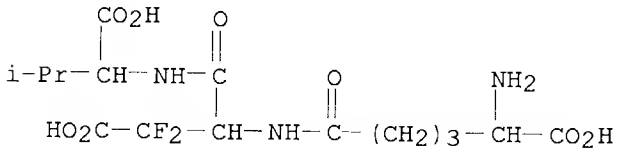
100.0% PROCESSED 21 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 146 TO 694
PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> d scan

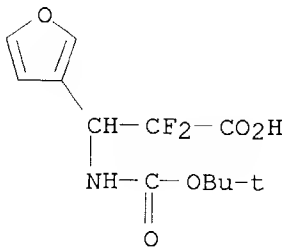
L2 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN D-Valine, N-[N-(5-amino-5-carboxy-1-oxopentyl)-3,3-difluoro-L-α-aspartyl]-, (S)- (9CI)
MF C15 H23 F2 N3 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L2 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 3-Furanpropanoic acid, β-[[(1,1-dimethylethoxy)carbonyl]amino]-α,α-difluoro- (9CI)
MF C12 H15 F2 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
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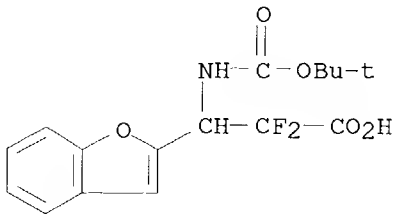
MF C16 H17 F2 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l1 sss full
FULL SEARCH INITIATED 11:58:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 508 TO ITERATE

100.0% PROCESSED 508 ITERATIONS 22 ANSWERS
SEARCH TIME: 00.00.01

L3 22 SEA SSS FUL L1

=> file c aplus
'C' IS AN AMBIGUOUS FILE OR CLUSTER NAME
CASLINK - Linked CAS files (Predefined Search Sequences)
CASRNS - CAS Registry Numbers Cluster
CHEMENG - Chemical Engineering Cluster
CHEMISTRY - Chemical Literature Cluster
COMPANIES - Files for company based searches
COMPUTER - Computer Science Cluster
CONSTRUCTION - Building and Construction Cluster
CORPSOURCE - Files for STNINDEX corporate source based searches
CURRENT - Current file environment Cluster
CA - The Chemical Abstracts File 1907-present
CABA - CAB ABSTRACTS 1973-present
CANCERLIT - Cancer Literature Online 1963-present
CAOLD - The pre-1967 Chemical Abstracts File
CAPLUS - The Chemical Abstracts Plus File 1907-present
CASREACT - The Chemical Abstracts Reaction Search Service
CBNB - Chemical Business NewsBase from 1984-present
CEABA-VTB - Chem Eng and Biotech Abstr - Verfahrenstechn Ber 1966-
CEN - Chemical & Engineering News 1990-January 2001
CERAB - Ceramic Abstracts from 1976
CFR - Code of Federal Regulations 1997 - present
CHEMCATS - CHEMICAL CATALOGS ONLINE 1993-1997
CHEMINFORMRX - The CHEMINFORMRX Reaction Search Service
CHEMLIST - Regulated Chemicals Listing
CHEMSAFE - CHEMSAFE - chemical safety information
CIN - The Chemical Industry Notes File for 1974-present
CIVILENG - Civil Engineering Abstracts 1966 to the present
COMPENDEX - COMPENDEX*PLUS File from 1970 - present
COMPUAB - Computer & Information Systems Abstracts 1981-present
COMPUSCIENCE - COMPUTERSCIENCE FROM 1972-2002
ENTER FILE OR CLUSTER NAME (IGNORE):end

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 155.84 156.05

FILE 'CAPLUS' ENTERED AT 11:58:56 ON 14 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 14 Jul 2004 VOL 141 ISS 3
FILE LAST UPDATED: 13 Jul 2004 (20040713/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l3
L4 14 L3

=> d l4 1-14 ti

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of carboxylic acid derivatives that inhibit the binding of integrins to their receptors

L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of ureidomethylbenzoylaminodifluoropropionates as glucagon antagonists/inverse agonists.

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of 3-(N'-oxodihydropyridinylureido)-3-phenylpropanoates as inhibitors of α4β1 integrin binding

L4 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of N,N-disubstituted peptide amides for selectively inhibiting the binding of α4β1 integrin

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of β-amino acid derivatives that inhibit the binding of integrins to their receptors

L4 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis and evaluation of water-soluble non-prodrug analogs of docetaxel bearing sec-aminoethyl group at the C-10 position

L4 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis and structure-activity relationships of novel 2',2'-difluoro analogs of docetaxel

L4 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of baccatin III derivatives as antitumors

L4 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of baccatin III derivatives as antitumors

L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of taxol derivatives as antitumors

L4 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of deacetoxytaxol derivatives as potential antitumors

L4 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of taxol derivatives as antitumors

L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Isopenicillin N synthase: a new mode of reactivity

L4 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Isopenicillin N synthase: a new mode of reactivity

=> d l4 1-5 ti fbib abs

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of carboxylic acid derivatives that inhibit the binding of integrins to their receptors
AN 2004:269913 CAPLUS
DN 140:287277
TI Preparation of carboxylic acid derivatives that inhibit the binding of integrins to their receptors
IN Biediger, Ronald J.; Chen, Qi; Decker, E. Radford; Holland, George W.; Kassir, Jamal M.; Li, Wen; Market, Robert V.; Scott, Ian L.; Wu, Chengde; Li, Jian
PA USA
SO U.S. Pat. Appl. Publ., 98 pp., Cont.-in-part of U.S. Ser. No. 707,068.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004063955	A1	20040401	US 2001-973142	20011009
				US 1999-132971PP	19990507
				US 2000-565920 A2	20000505
				US 2000-707068 A2	20001106
	ZA 2001008777	A	20030124	ZA 2001-8777	20011024
				US 2000-707068 A	20001106
	NZ 515252	A	20040130	NZ 2001-515252	20011102
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	NO 2001005394	A	20020507	NO 2001-5394	20011105
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	EP 1203766	A2	20020508	EP 2001-125494	20011106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	TR 200103179	A2	20020621	TR 2001-20010317	20011106
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	CN 1412181	A	20030423	CN 2001-145182	20011229
				US 2001-973142 A	20011009
	JP 2003119181	A2	20030423	JP 2002-31953	20020208
				US 2001-973142 A	20011009

PATENT FAMILY INFORMATION:
FAN 2000:814302

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000067746	A1	20001116	WO 2000-US12303	20000505
	WO 2000067746	C2	20020829		
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				US 1999-132971PP	19990507
	EP 1176956	A1	20020206	EP 2000-937527	20000505
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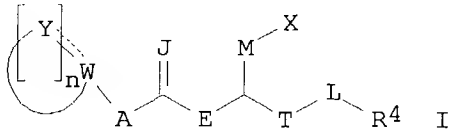
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	TR 200103178	T2	20020521	TR 2001-20010317820	000505
				US 1999-132971PP	19990507
	SI 20744	C	20020630	SI 2000-20021	20000505
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	BR 2000010293	A	20020716	BR 2000-10293	20000505
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	TR 200201920	T2	20020923	TR 2002-20020192020	000505
				US 1999-132971PP	19990507
	JP 2002544161	T2	20021224	JP 2000-616772	20000505
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	NZ 515248	A	20040130	NZ 2000-515248	20000505
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	ZA 2001008774	A	20030124	ZA 2001-8774	20011024
				US 1999-132971PP	19990507
	NO 2001005418	A	20011221	NO 2001-5418	20011106
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505

FAN 2002:349146

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1203766	A2	20020508	EP 2001-125494	20011106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	US 2004063955	A1	20040401	US 2001-973142	20011009
				US 1999-132971PP	19990507
				US 2000-565920 A2	20000505
				US 2000-707068 A2	20001106
	ZA 2001008777	A	20030124	ZA 2001-8777	20011024
				US 2000-707068 A	20001106

OS MARPAT 140:287277

GI



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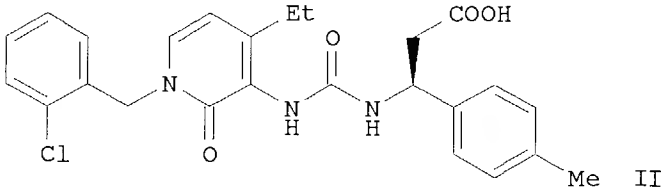

II

AB The invention relates to a method for the inhibition of the binding of α4β1 integrin to its receptors [e.g., VCAM-1 (vascular cell adhesion mol.-1) and fibronectin], compds. that inhibit this binding, and the use of such compds. for the control or prevention of diseases states in which α4β1 is involved. The claims include compds. of general formula I [n is 3-10; Y is CO, N, CR1, CR2R3, NR5, CH, O, S; A is O, S, CR16R17, NR6; E is CH2, O, S, NR7; J is O, S, NR8; T is CO, (CH2)0-3; M is R9R10, (CH2)0-3; L is O, NR11, S, (CH2)0-1; X is CO2B, PO3H2, SO3H, SO2NH2, SO2NHCOR12, OPO3H2, CONHCOR13, CONHSO2R14, OH, tetrazolyl, H; W is C, CR15, N; B, R1-R17 are H, halo, alkyl, alkoxy, acyl, CF3, CO2H, etc.]. Thus, pyridine-containing 3-aminopropionic acid derivative II was prepared by a multistep procedure and showed IC50 = 10 nM in a fibronectin inhibition assay.

L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of ureidomethylbenzoylaminodifluoropropionates as glucagon antagonists/inverse agonists.
AN 2002:391685 CAPLUS
DN 136:385945
TI Preparation of ureidomethylbenzoylaminodifluoropropionates as glucagon antagonists/inverse agonists.
IN Jorgensen, Anker Steen; Madsen, Peter
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040446	A1	20020523	WO 2001-DK760	20011115
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				DK 2000-1733 A	20001117
	AU 2002023502	A5	20020527	AU 2002-23502	20011115

				DK 2000-1733	A 20001117
				WO 2001-DK760	W 20011115
EP 1345891	A1	20030924	EP 2001-996529		20011115
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
				DK 2000-1733	A 20001117
				WO 2001-DK760	W 20011115
JP 2004513936	T2	20040513	JP 2002-542774		20011115
				DK 2000-1733	A 20001117
				WO 2001-DK760	W 20011115
US 2003027849	A1	20030206	US 2001-995987		20011116
				DK 2000-1733	A 20001117
				US 2000-252322PP	20001120

OS MARPAT 136:385945

AB HO2CCF2CH2NHCOZCHR2N(E)XD [R2 = H, alkyl; Z = (substituted) arylene, heteroarylene; X = (CH2)q(CR12R13)r(CH2)s, CO(CR12R13)r(CH2)s, NR11CO(CR12R13)r(CH2)s, etc.; r = 0, 1; s = 0-3; R11, R12, R13 = H , alkyl; D = (substituted) Ph, naphthyl, pyridyl, indenyl, benzothienyl, thienyl, furyl, benzofuryl, etc.; E = (substituted) cyclohexyl, Ph, PhCH2, PhCH2CH2, indanyl, benzhydryl, etc.], were prepared Thus, Me 4-[(4-cyclohex-1-enylphenylamino)methyl]benzoate (preparation given) in CH2Cl2 containing diisopropylethylamine was treated with 3,5-dichlorophenyl isocyanate to give a residue which was saponified with LiOH. The resulting acid in DMF was treated with 3-[(dimethyliminium)(dimethylamino)methyl]-1,2,3-benzotriazol-1-ium-1-olate hexafluorophosphate, diisopropylethylamine, Me 3-amino-2,2-difluoropropionate hydrochloride to give the uncharacterized amide ester, which was saponified with aqueous LiOH in THF/MeOH to give 3-[4-[1-(4-cyclohex-1-enylphenyl)-3-(3,5-dichlorophenyl)ureidomethyl]benzoylamino]-2,2-difluoropropionic acid. In a human glucagon receptor binding assay, title compds. showed IC50<1000 nM.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of 3-(N'-oxodihydropyridinylureido)-3-phenylpropanoates as inhibitors of α4β1 integrin binding

AN 2002:349146 CAPLUS

DN 136:369608

TI Preparation of 3-(N'-oxodihydropyridinylureido)-3-phenylpropanoates as inhibitors of α4β1 integrin binding

IN Biediger, Ronald J.; Chen, Qi; Holland, George W.; Kassir, Jamal M.; Li, Wen; Market, Robert V.; Scott, Ian L.; Wu, Chengde; Decker, Radford E.; Li, Jian

PA Texas Biotechnology Corporation, USA

SO Eur. Pat. Appl., 131 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1203766	A2	20020508	EP 2001-125494	20011106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			US 2000-707068 A	20001106
			US 2001-973142 A	20011009
US 2004063955	A1	20040401	US 2001-973142	20011009
			US 1999-132971PP	19990507
			US 2000-565920 A2	20000505
			US 2000-707068 A2	20001106
ZA 2001008777	A	20030124	ZA 2001-8777	20011024
			US 2000-707068 A	20001106

PATENT FAMILY INFORMATION:

FAN 2000:814302

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000067746	A1	20001116	WO 2000-US12303	20000505
	WO 2000067746	C2	20020829		
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				US 1999-132971PP	19990507
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				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	BR 2000010293	A	20020716	BR 2000-10293	20000505
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				WO 2000-US12303W	20000505
	TR 200201920	T2	20020923	TR 2002-20020192	20000505
				US 1999-132971PP	19990507
	JP 2002544161	T2	20021224	JP 2000-616772	20000505
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
	NZ 515248	A	20040130	NZ 2000-515248	20000505
				US 1999-132971PP	19990507
				WO 2000-US12303W	20000505
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				WO 2000-US12303W	20000505

FAN 2004:269913

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004063955	A1	20040401	US 2001-973142	20011009
				US 1999-132971PP	19990507
				US 2000-565920 A2	20000505
				US 2000-707068 A2	20001106
	ZA 2001008777	A	20030124	ZA 2001-8777	20011024
				US 2000-707068 A	20001106
	NZ 515252	A	20040130	NZ 2001-515252	20011102
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	NO 2001005394	A	20020507	NO 2001-5394	20011105
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	EP 1203766	A2	20020508	EP 2001-125494	20011106
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				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	TR 200103179	A2	20020621	TR 2001-20010317	20011106

				US 2000-707068 A 20001106
				US 2001-973142 A 20011009
	CN 1412181	A	20030423	CN 2001-145182 20011229
				US 2001-973142 A 20011009
	JP 2003119181	A2	20030423	JP 2002-31953 20020208
				US 2001-973142 A 20011009

OS MARPAT 136:369608

AB Title compds. were prepared Thus, 2-ClC6H4CH2ZNH2 (Z = 4-ethyl-2-oxo-1,2-dihydropyridine-1,3-diyl)(preparation given) was condensed with (S)-4-MeC6H4CH(NH2)CH2CO2Et and COCl2 to give, after saponification, (S)-2-ClC6H4CH2ZNHCONHCH(C6H4Me-4)CH2CO2H (Z as above). Data for biol. activity of title compds. were given.

L4 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN

TI Synthesis of N,N-disubstituted peptide amides for selectively inhibiting the binding of α4β1 integrin

AN 2001:145268 CAPLUS

DN 134:193742

TI Synthesis of N,N-disubstituted peptide amides for selectively inhibiting the binding of α4β1 integrin

IN Biediger, Ronald J.; Grabbe, Vanessa O.; Holland, George W.; Kassir, Jamal M.; Kogan, Timothy P.; Lin, Shuqun; Market, Robert V.; Raju, Bore G.; Scott, Ian L.; Wu, Chengde

PA Texas Biotechnology Corporation, USA

SO U.S., 30 pp., Cont.-in-part of U.S. Ser. No. 292,187.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6194448	B1	20010227	US 1999-417857	19991014
				US 1998-82019P P	19980416
				US 1999-292187 A2	19990415
	AU 759154	B2	20030410	AU 2000-66602	20001018
				AU 1999-35637 A3	19990415
	AU 763115	B2	20030710	AU 2000-66601	20001018
				AU 1999-37483 A3	19990415

PATENT FAMILY INFORMATION:

FAN 1999:672529

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PI	WO 9952493	A2	19991021	WO 1999-US8305	19990415
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				US 1998-82019P P	19980416
	CA 2328234	AA	19991021	CA 1999-2328234	19990415
				US 1998-82019P P	19980416
				WO 1999-US8305 W	19990415
	AU 9935637	A1	19991101	AU 1999-35637	19990415
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				WO 1999-US8305 W	19990415
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	TR 200100139	T2	20010621	TR 2001-20010013919990415
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				US 1998-82019P P 19980416
	BR 9909626	A	20020115	BR 1999-9626 19990415
				US 1998-82019P P 19980416
				WO 1999-US8305 W 19990415
	JP 2002511397	T2	20020416	JP 2000-543106 19990415
				US 1998-82019P P 19980416
				WO 1999-US8305 W 19990415
	NO 2000005162	A	20001215	NO 2000-5162 20001013
				US 1998-82019P P 19980416
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	AU 759154	B2	20030410	AU 2000-66602 20001018
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FAN 1999:672802

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9952898	A1	19991021	WO 1999-US8302	19990415
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CA 2328990	AA	19991021	CA 1999-2328990	19990415
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			WO 1999-US8302 W 19990415	
AU 9937483	A1	19991101	AU 1999-37483	19990415
			US 1998-82019P P 19980416	
			WO 1999-US8302 W 19990415	
EP 1071680	A1	20010131	EP 1999-919856	19990415
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BR 9909625	A	20020115	BR 1999-9625	19990415
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			WO 1999-US8302 W 19990415	
NZ 507534	A	20020201	NZ 1999-507534	19990415
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			WO 1999-US8302 W 19990415	
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			AU 1999-37483	A319990415

FAN 2001:521910

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	US 6262084	B1	20010717	US 1999-417886 19991014
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	US 6096773	A	20000801	US 1999-292459 19990415
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	AU 759154	B2	20030410	AU 2000-66602 20001018
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OS MARPAT 134:193742
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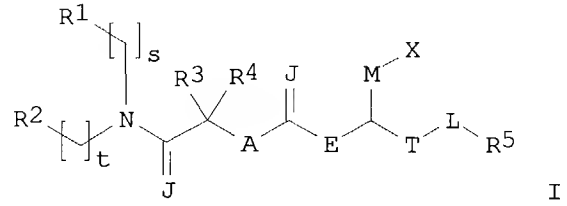

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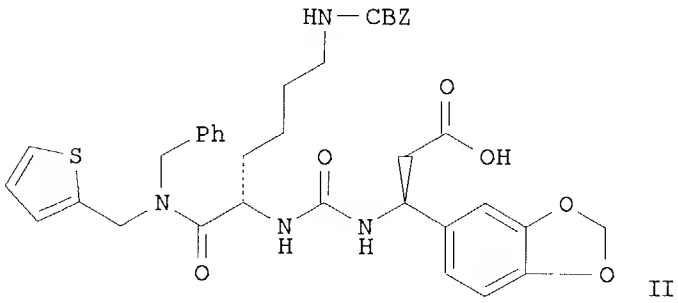

II

AB Peptide amides I [A, J = O, S, or (un)substituted amino; E = CH2, O, S, or (un)substituted amino; s, t = 0-3; T = CO, bond, CH2, CH2CH2, or CH2CH2CH2; L = O, S, (un)substituted amino, CH2, or CH2CH2; M = bond or (un)substituted alkylene; X = H, CO2H, carboxy ester, PO3H2, SO3H, OPO3H2, C(O)NHC(O)R12, C(O)NHSO2R13, oxazolyl, tetrazolyl, or H; R1-R5, R12, R13 = H, (cyclo)alkyl, aryl, heterocyclyl, etc.] were prepared as selective inhibitors of the binding of α4β1 integrin to its receptors, such as VCAM-1 (vascular cell adhesion mol.-1) and fibronectin. For example, thiophene-2-methylamine was coupled with benzaldehyde and the product used to amidate Boc-L-Lys(Cbz)-OH (Boc = tert-butoxycarbonyl, Cbz = benzyloxycarbonyl). Deprotection and acylation of the α-amine with (S)-Me 3-[[(p-nitrophenoxy)carbonyl]amino]-3-(1,3-benzodioxol-5-yl)propionate and deesterification yielded peptide II. Invention compds. were assayed for their ability to suppress binding using a 26-amino acid peptide containing the CS-1 sequence of fibronectin with N-terminal cysteine coupled to maleimide activated ovalbumin. Sixty of the test compds. inhibited cell adhesion by 99-100% at concns. of 100 μM and gave IC50 values ranging from 0.0004 to 40.

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of β-amino acid derivatives that inhibit the binding of integrins to their receptors
AN 2000:814302 CAPLUS

DN 133:362963
TI Preparation of β-amino acid derivatives that inhibit the binding of integrins to their receptors
IN Biediger, Ronald J.; Chen, Qi; Holland, George W.; Kassir, Jamal M.; Li, Wen; Market, Robert V.; Scott, Ian L.; Wu, Chengde
PA Texas Biotechnology Corporation, USA
SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000067746	A1	20001116	WO 2000-US12303	20000505
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	JP 2002544161	T2	20021224	JP 2000-616772	20000505
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				WO 2000-US12303W	20000505
	NZ 515248	A	20040130	NZ 2000-515248	20000505
				US 1999-132971PP	19990507
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	ZA 2001008774	A	20030124	ZA 2001-8774	20011024
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PATENT FAMILY INFORMATION:
FAN 2002:349146

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PI	EP 1203766	A2	20020508	EP 2001-125494	20011106
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				US 2000-707068 A	20001106
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				US 2000-565920 A2	20000505

				US 2000-707068 A220001106
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FAN 2004:269913

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	NZ 515252	A	20040130	NZ 2001-515252	20011102
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				US 2001-973142 A	20011009
	EP 1203766	A2	20020508	EP 2001-125494	20011106
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				US 2001-973142 A	20011009
	TR 200103179	A2	20020621	TR 2001-20010317920011106	
				US 2000-707068 A	20001106
				US 2001-973142 A	20011009
	CN 1412181	A	20030423	CN 2001-145182	20011229
				US 2001-973142 A	20011009
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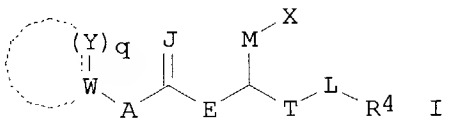
OS MARPAT 133:362963

GI



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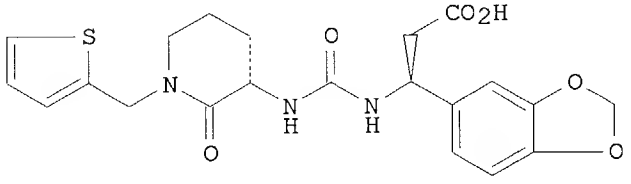

II

AB Title compds. I [Y, at each occurrence, independently = CO, N, CR1, CR2R3, NR5, CH, O, or S; q = 3-10; A = O, S, CR16R17, NR6; E = CH2, O, S, NR7; J = O, S, NR8; M = CR9R10 or (CH2)0-3; T = CO or (CH2)0-3; L = O, NR11, S, (CH2)0-1; X = CO2B, PO3H2, SO3H, SO2NH2, SO2NHCOR12, OPO3H2, CONHCOR13, CONHSO2R14, tetrazolyl, hydroxyl, H; W = C, CR15, N; B, R1-17 = H, halo, hydroxyl, alkyl, alkoxy, aliphatic acyl, CF3, nitro, cycloalkyl, alkylheteroaryl, sulfonyl, carboxyl, etc.] or their pharmaceutically acceptable salts were prepared for inhibition of the binding of α4β1 integrin to its receptors. Thus, II was prepared and assayed (IC50 = 0.2 μM) for its ability to suppress binding using a

26-amino acid peptide containing the CS-1 sequence of fibronectin with N-terminal cysteine coupled to maleimide activated ovalbumin.
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	57.72	213.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.68	-3.68

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:16:32 ON 14 JUL 2004

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 22	STN Patent Forums to be held July 19-22, 2004
NEWS 8	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 10	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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